- 1. A thermoconductive curable liquid polymer composition comprising:
 - (A) a curable liquid polymer;
 - (B) a filler made from a thermally-elongatable shape memory alloy, and
 - (C) a thermoconductive filler, with the proviso that component (C) differs from component (B).

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- 5 2. The thermoconductive curable liquid polymer composition of claim 1, where component (B) has a coil shape.
 - 3. The thermoconductive curable liquid polymer composition of claim 1, where component (B) comprises a Cu-Zn-Al type memory alloy filler, and component (C) comprises an alumina.
- 4. The thermoconductive curable liquid polymer composition of Claim 1, wherein said component (A) is a curable liquid epoxy resin.
 - 5. The thermoconductive curable liquid polymer composition of claim 1, where component (A) comprises a curable liquid silicone.
- 6. The thermoconductive curable liquid polymer composition of claim 5, where the
 15 curable liquid silicone is a liquid silicone composition curable by means of an addition reaction.
 - 7. The thermoconductive curable liquid polymer composition of claim 6, where component (A) comprises:

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- (a) 100 parts by weight of a liquid organopolysiloxane having at least two alkenyl groups per molecule;
- (b) 0.001 to 100 parts by weight of a liquid organopolysiloxane having at least two silicon-bonded hydrogen atoms per molecule; and
- (c) a hydrosilylation reaction metal catalyst, which in terms of weight units contains metal atoms in an amount of 0.01 to 1,000 ppm based on the weight of the composition.
- 8. The thermoconductive curable liquid polymer composition of claim 1, where the component (A) is present in an amount of 2.0 to 70 wt%, the component (B) is present in an amount of 0.01 to 30 wt%, and the component (C) is present in an amount of 30 to 98 wt% in the composition of the invention.
- 9. The thermoconductive curable liquid polymer composition of claim 1, where the component (A) is present in an amount of 5.0 to 50 wt%, the component (B) is present in an amount of 0.1 to 20 wt%, and the component (C) is present in an amount of 50 to 95 wt% in the composition of the invention.
- 10. Use of the thermoconductive curable liquid polymer composition of claim 1 as an35 adhesive agent or a coating agent for a semiconductor device.

- 5 11. Use of the thermoconductive curable liquid polymer composition of claim 2 as an adhesive agent or a coating agent for a semiconductor device.
 - 12. Use of the thermoconductive curable liquid polymer composition of claim 3 as an adhesive agent or a coating agent for a semiconductor device.
 - 13. Use of the thermoconductive curable liquid polymer composition of claim 4 as an adhesive agent or a coating agent for a semiconductor device.

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- 14. Use of the thermoconductive curable liquid polymer composition of claim 5 as an adhesive agent or a coating agent for a semiconductor device.
- 15. Use of the thermoconductive curable liquid polymer composition of claim 6 as an adhesive agent or a coating agent for a semiconductor device.
- 15 16. Use of the thermoconductive curable liquid polymer composition of claim 7 as an adhesive agent or a coating agent for a semiconductor device.
 - 17. Use of the thermoconductive curable liquid polymer composition of claim 8 as an adhesive agent or a coating agent for a semiconductor device.
- 18. Use of the thermoconductive curable liquid polymer composition of claim 9 as an adhesive agent or a coating agent for a semiconductor device.
 - 19. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 1.
 - 20. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 2.
- 25 21. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 3.
 - 22. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 4.
- 23. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 5.
 - 24. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 6.
 - 25. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 7.
- 35 26. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 8.

5 27. A semiconductor device having a semiconductor element glued or coated with the thermoconductive curable liquid polymer composition as claimed in claim 9.